

## ABSTRACT

Disclosed herein is a toothbrush with tapered bristles  
5 and method of manufacturing such toothbrushes. The  
toothbrush is characterized in that the tapered end of each  
bristle is 0.02mm or less of diameter. The bristle is tapered  
starting at a position of 3.5mm or less from an end, and is  
made of polyethylene terephthalate or polybutylene  
10 terephthalate. The method of this invention consists of the  
steps of dipping 3.5mm portions from ends of monofilaments  
for toothbrushes into erosive chemicals such as sulfuric acid  
or sodium hydroxide until the dipped portions of the  
monofilaments are completely eroded, neutralizing the  
15 shortened monofilaments prior to rinsing and drying them, and  
implanting the shortened monofilaments on a toothbrush.  
Thereafter, the shortened monofilaments are ground using a  
240# mesh paper at 2600 to 2700rpm for 3 to 10sec, a 320#  
mesh paper at same speed for 3 to 10sec, and a 400# mesh  
20 paper at same speed for 3 to 10sec. The toothbrush of this  
invention enjoys advantages of proper flexibility and  
softness, improved feeling while brushing, and excellent  
scaling ability.

